



FIRE PROTECTION TRAINING

Procedures Handbook 4300

POWER TOOLS

TOPIC: HOW TO START A ROTARY (CIRCULAR) SAW

TIME FRAME: :30

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: A rotary (circular) saw, appropriate material to cut, and appropriate PPE per CAL FIRE policy

Behavior: The student will operate a rotary saw to cut test material

Standard: Complete all operations according to the job breakdown

MATERIALS NEEDED:

- Rotary (circular) saw
- Appropriate personal protective equipment
- Appropriate blade types for material being cut
- Dolmar with proper fuel mix
- Manufacturer specific maintenance tools
- Essentials of Firefighting, IFSTA, Fifth Edition, Chapter 9
- Appropriate Manufacturer Specific User Guide

REFERENCES:

PREPARATION:

A circular saw is a fast and effective tool with many uses. It can be used for ventilation, forcible entry, firefighter and civilian rescue, and vehicle extrication, to name a few. By changing blades, it can cut a variety of materials. A circular saw can be very dangerous if not properly used.



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HOW TO START A ROTARY
(CIRCULAR) SAW

OPERATIONS	KEY POINTS
1. Place saw	1a. On firm, level ground b. Clear of bystanders and obstructions
2. Place foot or knee	2a. Into saw handle b. Toe of boot through handle opening or knee on top of power head c. Stabilizing rotary saw
3. Grasp handle bar	3a. Left hand b. Firmly c. Thumb around bar
4. Flip stop switch	4a. With Right hand b. To "On" position
5. Engage choke	5a. With Right hand
6. Set throttle latch	6a. To "On" position
7. Grasp starter rope handle	7a. With Right hand
8. Engage starter rope	8a. Pull slowly b. Until starter mechanism engages
9. Pull starter rope	9a. Short, sharp pulls
10. Hold starter handle	10a. As the rope retracts b. Until engine fires (pops) c. Never drop start a saw
11. Disengage choke	



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OPERATIONS	KEY POINTS
12. Pull starter rope	12a. Short, sharp pulls b. Until engine starts
13. Grip saw	13a. Firmly b. With both hands c. Thumbs and fingers encircling the handles
14. Throttle engine	14a. Briefly b. Finger on throttle trigger
15. Release throttle trigger	15a. Returning engine to idle
16. Warm up saw	16a. To manufacturer's specifications



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APPLICATION:

The student will practice performing the operations in the job breakdown while under supervision.

EVALUATION:

The student will complete a manipulative performance test at a time determined by the instructor.

ASSIGNMENT:

Practice this job in order to prepare yourself for the upcoming performance test. Study for our next session.